

MEMORIU ȘTIINȚIFIC
Drd. Maria Simona Raboaca

Studii de doctorat

Perioada: 2020-2025

Conducător științific: Prof.dr.ing. Nicu Bizon

Domeniu: Inginerie Electronică Telecomunicații și Tehnologii Informaționale

Titlul tezei de doctorat: CONTRIBUȚII LA OPTIMIZAREA ȘI TESTAREA SISTEMELOR ENERGETICE ÎN TIMP REAL

Activitate științifică Lista de lucrări științifice (articole în reviste sau volume)

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10. Blockchain-Driven Intelligent Scheme for IoT-Based Public Safety System beyond 5G Networks, Sensors, Rathod, T.; Jadav, N.K.; Tanwar, S.; Sharma, R.; Tolba, A.; Raboaca, M.S.; Marina, V.; Said, W., 2023, <https://doi.org/10.3390/s23020969>
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12. Electric Vehicle Charging Station Based on Photovoltaic Energy with or without the Support of a Fuel Cell-Electrolyzer Unit, Energies, Enescu, F.M.; Birleanu, F.G.; Raboaca, M.S.; Raceanu, M.; Bizon, N.; Thounthong, P., 2023, <https://doi.org/10.3390/en16020762>
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73. Hydrogen Technology Integration for Energy Support of Electric Vehicle Charging Stations, IGI Global, ISBN 978-1-6684-6721-3, Maria-Simona Raboaca, Traian Mihaltan, IGI Global, 2023, <https://doi.org/10.4018/978-1-6684-6721-3.ch006>

A. Cărți și manuale

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2. Clean Technologies and Sustainable Development in Civil Engineering, autori: Felseghi, R.-A., Cobîrzan, N., Raboaca, M.S, Release Date: June, 2022, Pages: 290, ISBN13: 9781799898108, DOI: 10.4018/978-1-7998-9810-8
3. Eficiența energetică în clădirile rezidențiale integrând energia solară pentru pompele de căldură, 153 pagini, ISBN 978-973-744-994-8, Editura Academic Pres Universitatea de Științe Agricole și Medicină Veterinară Cluj-Napoca, România, 153 pagini, (2022), Ovidiu Călin Safirescu, Florin Emilian Țurcanu, Simona Maria Răboacă
4. Energia regenerabilă sursă de separare a umidității din gazele naturale, 214 pagini, ISBN 978-973-744-993-1, Editura Academic Pres Universitatea de Științe Agricole și Medicină Veterinară Cluj-Napoca, România, 214 pagini, (2022), Ovidiu Călin Safirescu Florin Emilian Țurcanu , Simona Maria Răboacă

B. Participări la conferințe/workshop-uri

1. ECAI, online, 2022, 2023, 2024
2. FOREN, Costinesti, 12-15 iunie 2025

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C. Brevete

1. Nu este cazul

D. Proiecte de cercetare științifică

1. Innovative Fuel Cell/Battery-Based Hybrid Zero Emission Power System for Maritime Transport – coordoator proiect, Norway Grants, <https://greentransition.cadran.eu/>, iulie 2024- ianuarie 2025
2. OPTIX, Positive Energy Districts – responsabil proiect, CETP <https://optixproject.github.io>, Ianuarie 2025 - prezent
3. Responsabil proiect: Statii inteligente de incarcare conductiva, fixe si mobile, pentru transport cu propulsie electrica

E. Stagii de perfecționare

1. Nu este cazul

F. Cursuri de perfecționare

1. Curs postuniversitar - "Energy efficiency and sustainability for energy managers and energy specialists SMEs)" within the SMePower Efficiency E&T Programme. Certificat de atestare profesională Universitatea Tehnică din Cluj-Napoca, Cluj - Napoca (România).
2. Curs postuniversitar - Tehnici de analiză și practici de implementare a clădirilor cu consum de energie aproape zero (nZEB), - Certificat de atestare profesională, Universitatea Tehnică din Cluj-Napoca, Cluj - Napoca (România)
3. Curs postuniversitar program de formare psihopedagogica nivel I
4. Curs postuniversitar program de formare psihopedagogica nivel II
5. Curs online „Realizare Studii de fezabilitate”, martie 2022, SC consult investment SRL
6. Curs postuniversitar manager energetic
7. Curs postuniversitar auditor termoeenergetic
8. Curs postuniversitar autor electroenergetic
9. Curs postuniversitar auditor complex

G. Membru în comitete de organizare sau comitete științifice ale conferințelor/colective de redacție ale unor reviste

1. Nu este cazul

Student-doctorand

Drd. Maria Simona Raboaca

